



Welcome!
Faculty & Staff Convocation
Spring Semester 2007

William C. Miller
Academic Dean & Provost
23 January 2007



Agenda

- **USNA mission: organizing “To develop midshipmen morally, mentally and physically....”**
- **Measures of “success” in what we do**
- **Language and cultural education program sustains rapid growth**
- **Revised Human Subject Research regulations mandate changes in USNA culture and practices**
- **Accreditation report cites “... obvious need to renovate the library....”**

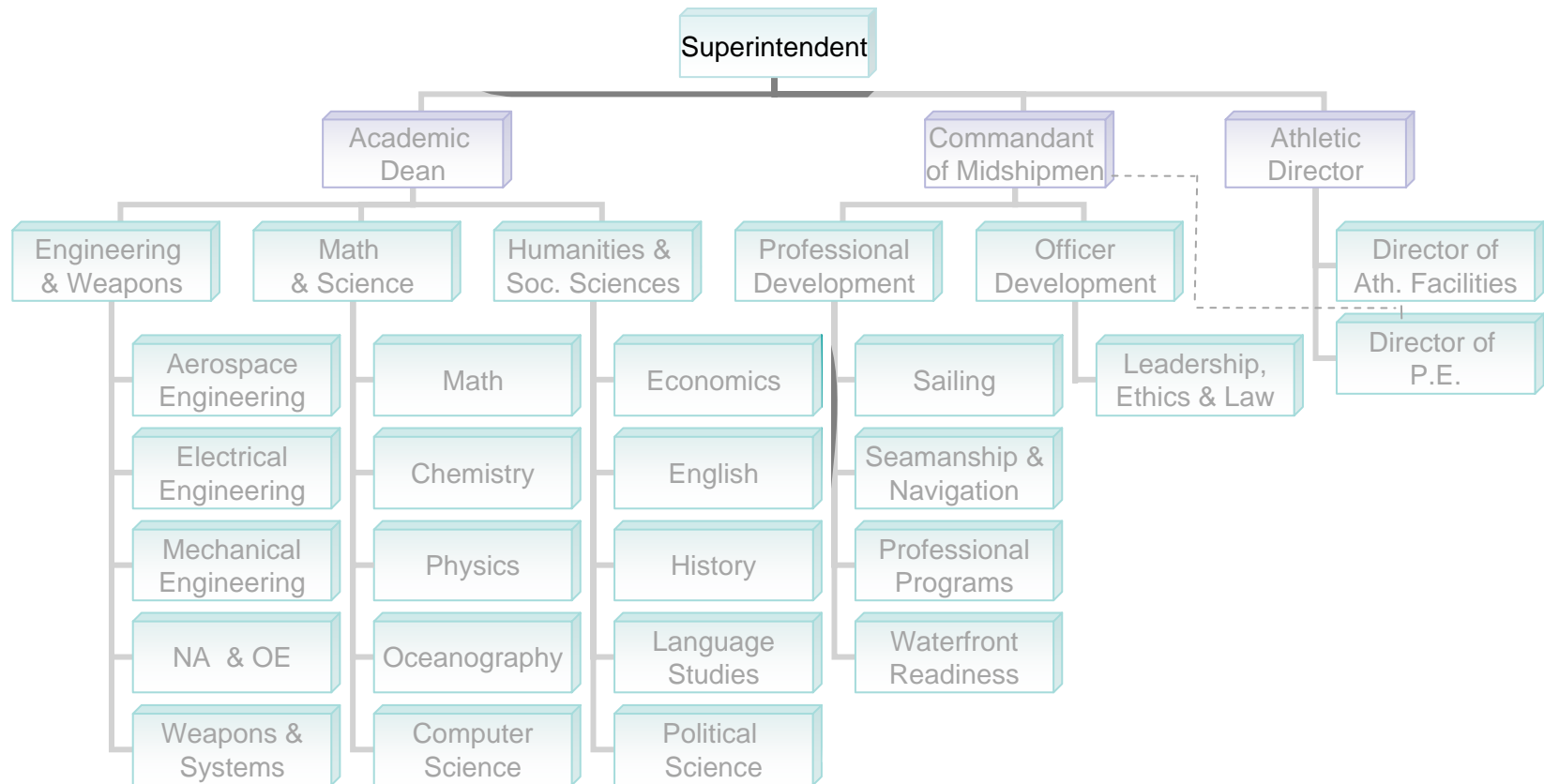


U.S. Naval Academy Mission

*To develop midshipmen morally, mentally,
and physically and to imbue them with the
highest ideals of duty, honor and loyalty in
order to provide graduates who are dedicated
to a career of naval service and have
potential for future development of mind
and character to assume the highest
responsibilities of command, citizenship, and
government.*



U.S. Naval Academy Education and Training Organization





Faculty

Since 1845 about 1/2 officer, 1/2 civilian



Officer faculty:

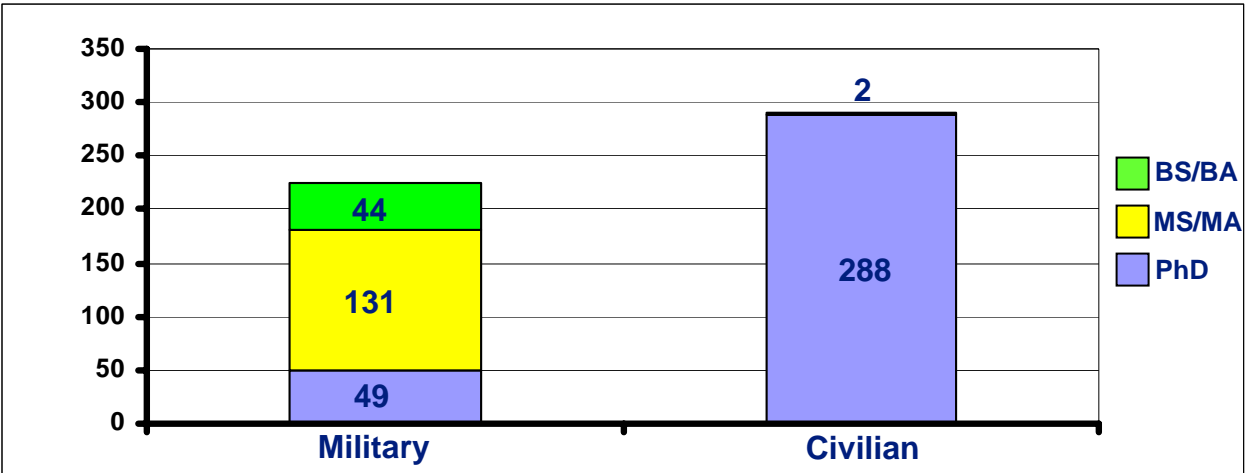
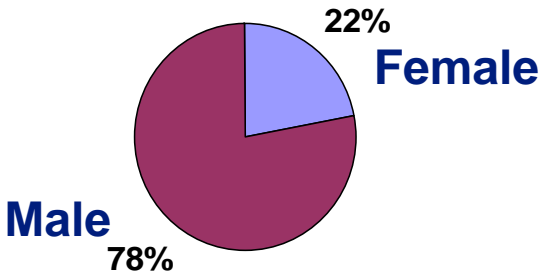
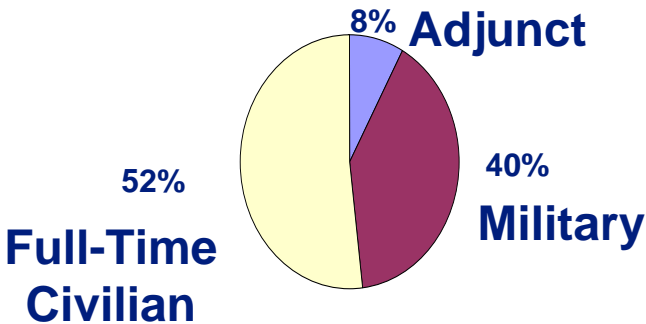
- **Masters or doctoral degree**
- **Military role model**
- **Recent operational experience**
- **Unique role of PMPs**

Civilian faculty:

- **Doctoral degree**
- **Academic expertise**
- **Program continuity**
- **Mentors**



Faculty Demographics





Academic Majors

~~19~~ 21 Options for Focused Study

Engineering:

Aerospace Engineering
Electrical Engineering
General Engineering
Mechanical Engineering
Naval Architecture
Ocean Engineering
Systems Engineering

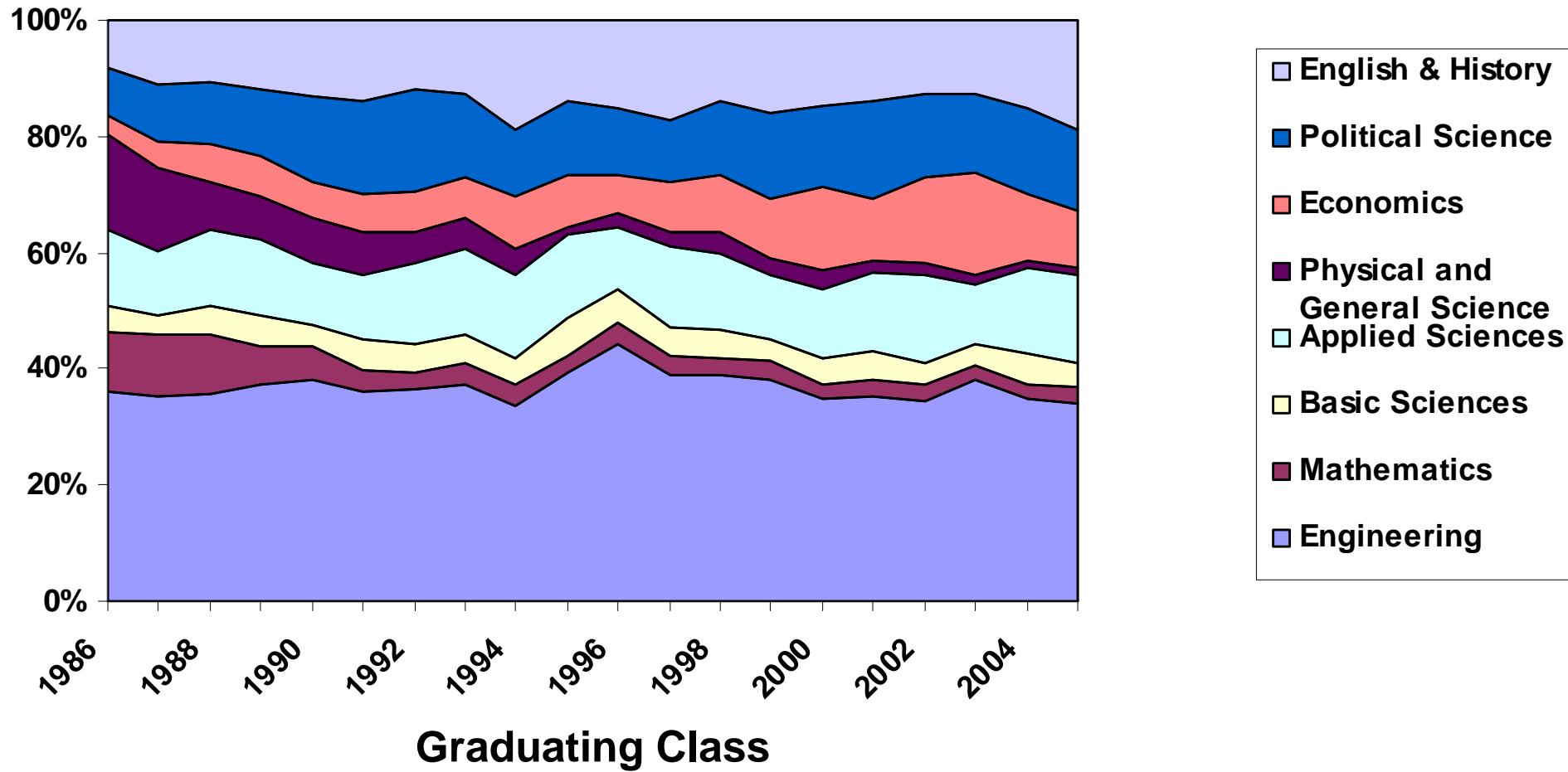
Mathematics & Science:

Chemistry
Computer Science
General Science
Information Technology
Mathematics
Oceanography
Physics
Quantitative Economics

Humanities & Social Sciences:

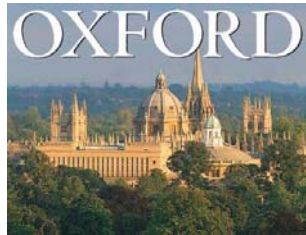
Arabic
Chinese
Economics
English
History
Political Science

Graduates by Academic Major Category





Scholarships



Rotary International



- 1 Rhodes Scholar in 2007; 8 in last 3 years.
- Midshipmen accepted for Mitchell, Marshall and Rotary International scholarships in 2007.
- Midshipmen awarded 2 of the total 20 All-USA College Academic Team positions in 2006.



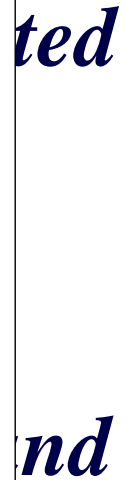


U.S. Naval Academy Mission

*To develop midshipmen morally, mentally,
and physically and to imbue them with the
highest ideals of duty, honor and loyalty in
order to provide graduates who are dedicated
to a career of naval service and have
potential for future development of mind
and character to assume the highest
responsibilities of command, citizenship, and
government.*



*order to protect the
potential and
responsibilities
of government*





National Survey of Student Engagement

Five key clusters of activities

- **Challenging intellectual and creative work**; setting high expectations; importance of student effort
- **Frequent student-faculty interaction** as mentors and to model how experts think about and solve problems
- **Active and collaborative learning**; students learn more when intensely involved in their own education and engaged in answering messy, unscripted questions
- **Complementary learning opportunities** outside the classroom augment academic programs
- **Supportive campus environment** providing assistance when needed



Supportive Campus Environment

- ***Extra Instruction (EI)***
- ***Departmental Assistance***
 - Math Lab
 - Chemistry Resource Room
 - Writing Center
- ***Midshipman Group Study Program (MGSP)***
 - Study groups led by upperclassmen
- ***Academic Center***
 - Study skills mini-course
 - Time management mini-course
 - Tutoring





Academic Program Review

Preliminary Results

- Reduced total number of academic and professional hours required for graduation
- Expanded midshipman choice of courses
- Increased international content in curriculum
- Added academic majors in Arabic and Chinese





Academic Program Review Continuing Activity

- **Course development for recent curricular decisions**
- **Increased focus on critical thinking**
 - Broaden focus beyond content mastery to include development of higher-level problem solving skills
 - Emphasize multi-faceted problems and dealing with ambiguity
- **Wider employment of alternative learning models**
 - Team projects
 - Open-ended, real-world problems
 - Interdisciplinary approaches
- **Helping students learn how to learn**
- **Developing better connectivity with the Fleet**
 - Increasing fleet relevance of subject matter
 - Developing fleet relationships that support continuing assessment of student learning and highlighting naval applications of acquired knowledge



Academic Program Review Continuing Activity

- Course development for recent curricular decisions
- Increased **focus on critical thinking**
 - Broaden focus beyond content mastery to include development of higher-level problem solving skills
 - Emphasize multi-faceted problems and dealing with ambiguity
- Wider employment of **alternative learning models**
 - Team projects
 - Open-ended, real-world problems
 - Interdisciplinary approaches
- Helping students **learn how to learn**
- Developing **better connectivity with the Fleet**
 - Increasing fleet relevance of subject matter
 - Developing fleet relationships that support continuing assessment of student learning and highlighting naval applications of acquired knowledge



Voyage Planning



Destination = Learning Goals

Navigation = Assessment

Voyage Planning



Assessment in the News

- **Blackboard** last week announced that it was offering products in a new line — **ASSESSMENT** — from courses to entire institutions.
- While Blackboard is hailing its services as revolutionary, **at least two young companies already offer services** that they say are similar (and that Blackboard says are not as comprehensive). Nuventive, founded in 1998, offers an e-portfolio system and also an assessment program, known as TracDat.
- Another company — WEAVEonline — officially launched in May, as a spinoff from an assessment program **created at Virginia Commonwealth University**. It is about to sign its 40th client — most of which approached Virginia Commonwealth after hearing presentations about its assessment tools.
- **Judith S. Eaton**, president of the **Council for Higher Education Accreditation (CHEA)** said that **IF** the new Blackboard services “are positioned to help colleges deal with the challenge of everything they need for assessment,” the company could find a good market.
- **Cary Nelson**, president of the **American Association of University Professors** said he had “no problem with faculty members independently choosing to evaluate their courses in any way that they want....” But he added that he worried that faculty members were being encouraged to accept “**half-witted, simple-minded assessment** instead of a feedback system that’s already pretty sophisticated.”



Destination = Learning Goals

Navigation = Assessment

Voyage Planning

SHIPMATE JANUARY-FEBRUARY 2007

JANUARY-FEBRUARY 2007

SHIPMATE

UNITED STATES NAVAL ACADEMY ALUMNI ASSOCIATION ■ USNA.COM



Academics Near and Far



Language and Cultural Education Sustains Rapid Growth

***USNA moving aggressively to enhance Mid'n
foreign language abilities and global cultural
awareness***

- Four year students
 - 51 midn: 25 countries
- Semester exchange
 - 10 midn: 5 countries
- Language immersion
 - 110 midn: 13 countries
- Professional training:
 - 41 midn: 14 countries
- Center for Middle East
and Islamic Studies









16 7:58PM







用具庫

剣道部

防衛大
松永









Four Year Program

Academic Year 2006-2007 (51 total)

	Algeria-1		Ireland-1		Micronesia-1		St. Lucia-2
	Belize-2		Jamaica-2		Pakistan-4		Taiwan-3
	Cameroon-1		Kyrgyzstan-1		Peru-2		Thailand-3
	Ecuador-2		Lithuania-3		Philippines-3		Tunisia-3
	El Salvador-1		Malaysia-1		Romania-3		
	Guyana-2		Maldives-1		Singapore-3		
	Honduras-2		Mauritius-1		S. Korea-2		



Agenda

- USNA mission: organizing “To develop midshipmen morally, mentally and physically....”
- Measures of “success” in what we do
- **Language and cultural education program sustains rapid growth**
- Revised Human Subject Research regulations mandate changes in USNA culture and practices
- Accreditation report cites “... obvious need to renovate the library....”



Agenda

- **USNA mission: organizing “To develop midshipmen morally, mentally and physically....”**
- **Measures of “success” in what we do**
- **Language and cultural education program sustains rapid growth**
- **Revised Human Subject Research regulations mandate changes in USNA culture and practices**
- **Accreditation report cites “... obvious need to renovate the library....”**



Revised Human Subject Research Regulations Mandate Changes in USNA Culture & Practices

- **Focus on protection of people and data about people**
 - **“Informed consent”**
 - **Data identifiable with specific living subjects**
- **Encompasses social science research, focus groups, surveys, data analysis, biometrics, and much more**
- **Explicit exceptions cited**
- **Many former USNA methods prohibited**
- **New USNA procedures manual in draft**
- **Mandatory training for dozens of faculty and staff**
- **Anticipate DoN-approved program next month**





Human Subject Research Training Requirements

- Command Leadership: Superintendent, Chief of Staff, Academic Dean, Commandant, Director of Athletics, Dean of Ethics Center, Director of IR, Dean of Admissions, et al
 - Chain of Command: Division Directors, Department Chairs, Battalion Officers, Company Offices, Senior Enlisted Advisors
 - Research Administrators: Director and Deputy Director of Research and Scholarship
 - Research Investigators and associated staff
 - Institutional Review Board (revised) members
- ... and others



Agenda

- **USNA mission revisited, and organizing “To develop midshipmen morally, mentally and physically....”**
- **Measures of “success” in what we do**
- **Language and cultural education program sustains rapid growth**
- **Revised Human Subject Research regulations mandate changes in USNA culture and practices**
- **Accreditation report cites “... obvious need to renovate the library....”**



Ongoing Library Modernization



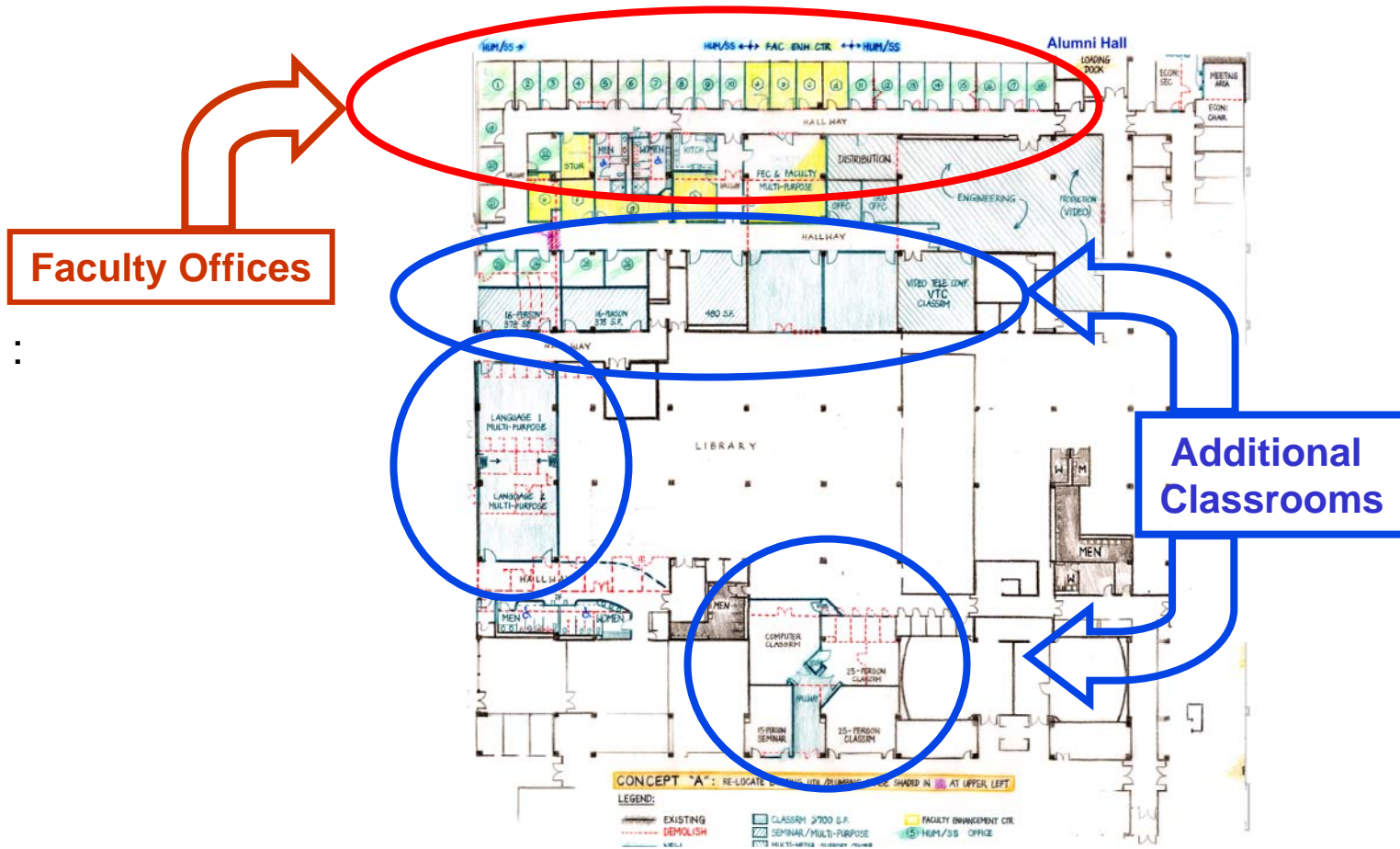
Near Term: Refurbish selected spaces in Nimitz Library to best meet USNA near-term needs.

Long Term: Commission a study group to define USNA library requirements in a networked world.



Humanities & Social Sciences

New offices and Classrooms on ground floor





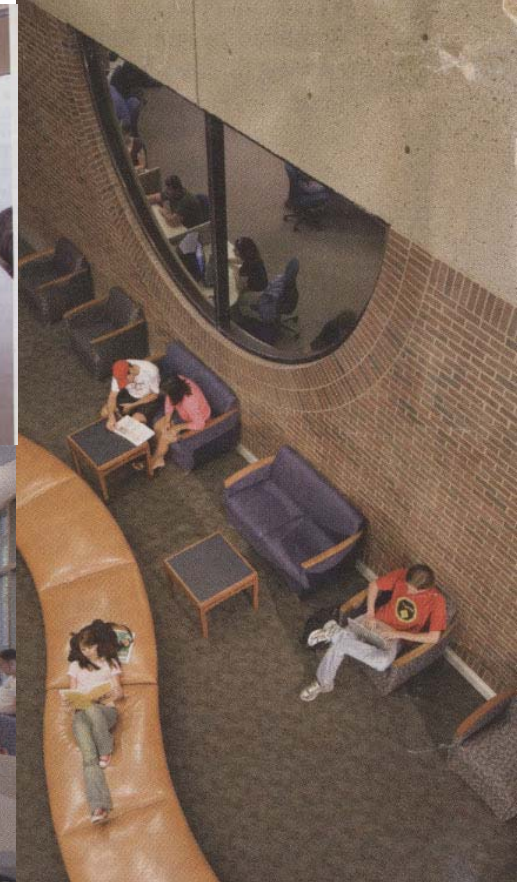
Longer Term: Commission Study Group to Investigate Requirements and Options

- **Key Questions:**
- **What functions will a library perform in 2020 or 2041?**
- **How can we anticipate changes?**
- **What are industry best practices?**
- **What are others doing?**



Louisville University (top)

Lafayette College (bottom)





Duke University (top)

Furman University (bottom)





United States Military Academy

OUR NEW HOME
OPENS 2008





Alternative Shelving Options



Compact shelving



High-density automated shelving





Hearty Congratulations Deserved!

- Debby Hughes for taking the lead on much of the arrangements for this week's Science & Technology Education Partnership with NRL
- Joyce Shade and Linda Mallory for very thorough researching of the new HSR regulations and drafting revised USNA policies
- Sylvain Guarda as recipient of the Class of 1951 Civilian Faculty Teaching Award for 2007
 - Honorable mention to Brad Bishop, Paul Miller and Alexis Alevras



Congratulations to Richard Abels!!



- **Awarded Membership in the School of Historical Studies of the Institute for Advanced Study in Princeton for fall semester, 2007. Approximately 40 appointed each year.**
- **THE SCHOOL OF HISTORICAL STUDIES supports scholarship in historical research, but is concerned principally with history of western, near eastern and far eastern civilizations, with particular emphasis upon Greek and Roman civilization, the history of Europe (medieval, early modern, and modern), the Islamic world, East Asian studies, the history of art, and modern international relations.**



General Interest Questions?